

ABSTRACT

A speaker apparatus can ensure a large size and area of a diaphragm so as to improve reproducing capability in a low sound range and increase an output sound pressure, and can constitute a plurality of vibrating points (signal control points). An input signal V_{in} having a plurality of independent channels is inputted, then the signal input V_{in} is processed in a sound signal processing portion 30 by calculating and adding of an interference canceling signal between the signal control points, by calculating and adding of a sound interference signal for causing the interference between outputs from the signal control points in an arbitrary point, etc., so as to be inputted to transducers 20 that are attached to a single diaphragm 10. The transducer 20 transduces an electric signal into mechanical vibration. A plurality of the signal control points are generated on the single diaphragm, and each signal control point cause the single diaphragm 10 to vibrate. If the diaphragm 10 is formed of a transparent material and attached to a display, it is possible to use a display screen as the speaker apparatus.